Serial No. 09/347,560

RD-24,997

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power line, a power line coupler (best illustrated in FIG. 3) is employed to couple the spread spectrum signal to and from a power line.

IN THE CLAIMS:

Please cancel claim 2.

Please replace the following claims with the rewritten claims provided (a marked up copy of the rewritten claims is provided in the ATTACHMENT):

1. (Amended) An endoder for encoding a digital baseband signal in a spread spectrum communication system, said encoder comprising:

an exclusive "or" logic unit having a first input for receiving said digital baseband signal;

a one bit delay unit having an input coupled to the output of said exclusive "or" logic unit, said one bit delay unit having an output coupled to a second input of said exclusive "or" logic unit;

the output of said exclusive \or' logic unit providing an encoded digital baseband signal;

said encoded digital baseband signal coupled to a modulator so as to modulate spread spectrum carrier signal;

wherein said spread spectrum dommunication system is a geometric harmonic modulation communication system.

6. (Amended) A method for encoding a digital baseband signal in a spread spectrum communications system, the method comprising the steps of:

providing said digital baseband signal to a first input of an exclusive "or" unit; performing an exclusive "or" operation on said first input and a second input of said exclusive "or" unit;

delaying the output of said exclusive "or" unit and providing the delayed output to said second input of said exclusive "or" unit;

the undelayed output of said exclusive "or" unit being the encoded digital baseband signal; wherein said spread spectrum communication system is a geometric harmonic modulation communication system.

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